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REMARKS/ARGUMENTS

This **DRAFT** Request for Reconsideration is responsive to the Final Office Action issued November 4, 2003.

In the "Response to Arguments" section of the Final Office Action, the Examiner points out that the recitation of "asynchronously notifying an application client of an event of interest within a database" occurs in the preamble of the independent claims, and is thus not accorded any patentable weight.

It is respectfully submitted that this is not the case. Indeed, the body of claim 1 recites:

"...
asynchronously delivering the formatted notification to the
application client over a network.

The "notification", as recited in the body of claim 1, concerns "an ^{event} ~~invent~~ of interest within the database", as also recited in the body of claim 1. The body of claim 1 also recites steps of receiving subscriptions, receiving registrations, detecting an occurrence of the event within the database, publishing the occurrence of the event within the database, retrieving the delivery information and formatting the published notification according to the retrieved delivery information, all to enable the asynchronous delivery of the formatted notification to the application client over a network - as recited in the body of the claim.

It is respectfully submitted that the asynchronous delivery of a notification to an application client over a network is recited in the body of the claim and that the body of the claim recites the manner in which notifications regarding events of interest within a database may be asynchronously

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delivered to application clients over a network, as previously argued. The Examiner's Response to Arguments in paragraph 6a of the outstanding Office Action, is, therefore, believed to be untenable.

In paragraph 6b of the "Response to Arguments" section of the Final Office Action, the Examiner disagrees that the "cited reference does not disclose notifications concerning an event of interest within a database and detecting an occurrence of the event within the database", as previously argued. In support thereof, the Office states that:

"Natajaran discloses reporting network errors by network elements (including services, interfaces, applications and protocols, etc) and network conditions to the database (Data store 252 fig. 2) and to an event handler (274A) for handling notifications/registrations (see Col. 7, line 21 to Col10 lines 9-61) as rejected above."

The Examiner's attention is respectfully drawn to the following:

- 1) **Natajaran discloses reporting "network errors" by "network elements".** In the claimed invention, however, the events of which the application clients are notified are events of interest within a database. That is, events occur within the database, and those events are published, formatted, retrieved and asynchronously delivered to application clients having registered to receive such events. Natajaran does not disclose reporting database events.
- 2) **Natajaran discloses reporting network errors and conditions to the database.** The claimed invention does not report errors or events to a database. Instead, the claims recite that the events of interest within the database (i.e., database events) are reported to the application client(s) that have registered to receive such notification of database events.

Therefore, the Office's reasons advanced in the "Response to Arguments" section of the outstanding Office Action are not drawn to the claimed invention. For the above-detailed reasons, as well as those advanced in the Amendment of August 19, 2003, the claims are believed to be allowable over the applied art.

It is believed that a telephone interview with the Examiner and Exr. Hosain Alam, will expedite the prosecution of this application and enable the Examiner to allow the case.

Respectfully submitted,

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IN THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of claims:

1. (Previously Presented) 1. A computer implemented method of asynchronously notifying an application client of an event of interest within a database, comprising the steps of:

receiving a subscription to an event name from a logical agent, the event name corresponding to the event of interest within the database;

receiving a registration from the application client, the registration including delivery information indicating at least where and how a notification concerning the event is to be delivered;

detecting an occurrence of the event within the database;

publishing the notification to a data structure referenced by the event name upon detecting the occurrence of the event;

retrieving the delivery information and formatting the published notification according to the retrieved delivery information, and

asynchronously delivering the formatted notification to the application client over a network.

2. (Original) The computer implemented method of Claim 1, wherein the detecting step is carried out by a trigger within the database, the trigger firing upon the occurrence of the event.